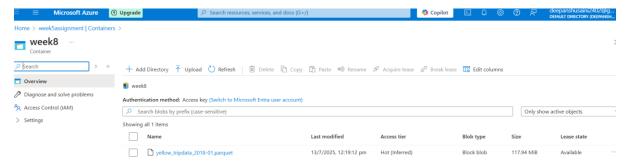
CELEBAL TECHNOLOGIES PVT. LTD.

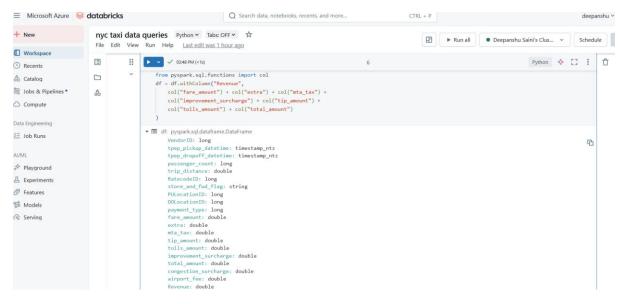
ASSIGNMENT

WEEK 8

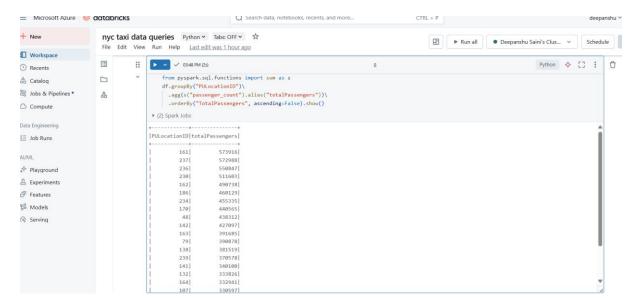
Load NYC taxi data to DataLake/Blob_Storage/DataBricks



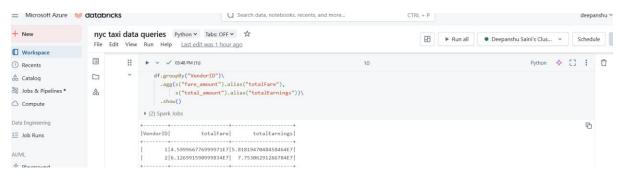
Query 1. - Add a column named as ""Revenue"" into dataframe which is the sum of the below columns: 'Fare_amount', 'Extra', 'MTA_tax', 'Improvement_surcharge', 'Tip_amount', 'Total amount'



Query 2. - Increasing count of total passengers in New York City by area



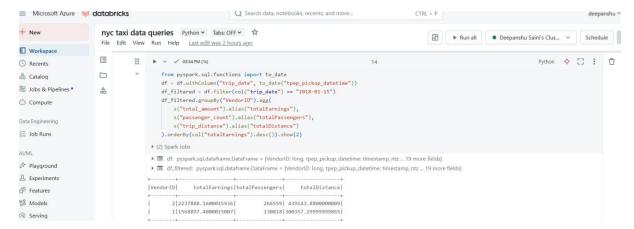
Query 3. - Realtime Average fare/total earning amount earned by 2 vendors



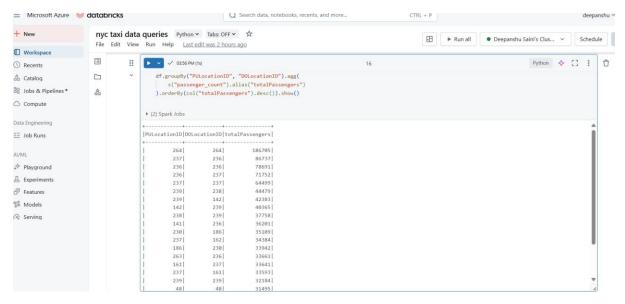
Query 4. - Moving Count of payments made by each payment mode



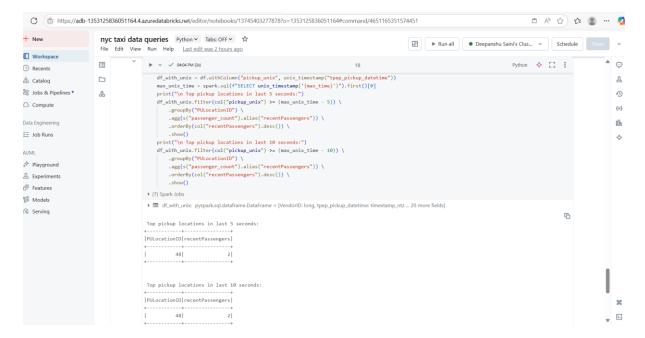
Query 5. - Highest two gaining vendor's on a particular date with no of passenger and total distance by cab



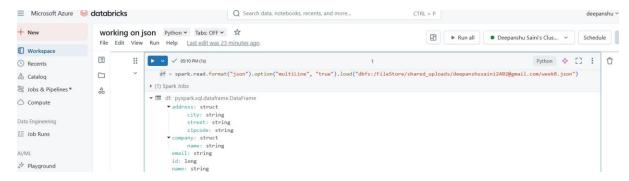
Query 6. - Most no of passenger between a route of two location.



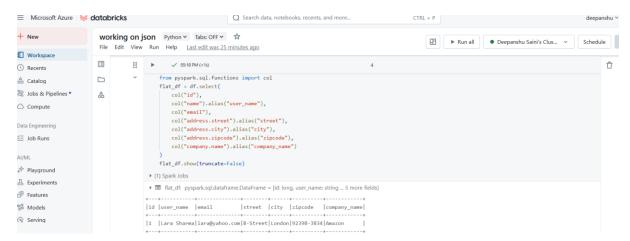
Query 7. - Get top pickup locations with most passengers in last 5/10 seconds.



Load any dataset into DBFS



Flatten JSON fields



Write flattened file as external parquet table

